



TENNESSEE WEEKLY  
WEATHER AND CROP BULLETIN



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Parts of Tennessee Receive Rain, More Needed

The Volunteer State experienced mostly warm and humid weather last week, but scattered thunderstorms provided much needed moisture to crops and pastures in the southeast and south central parts of the State. Areas receiving significant rainfall showed improvements in crop development and condition, while other areas still suffered from dry and stressed conditions. Although the rain was welcomed, more will be needed in major producing areas in order for crops to reach their full potential. Many farmers were able to get some much needed spraying done after the early week showers. Corn made good progress last week and nearly all the acreage had reached or surpassed the silking stage. As of Sunday, nearly two-thirds of the acreage had reached the dough stage, slightly ahead of the 5-year average. Armyworms were reported in some late grain sorghum and corn. Cotton and soybean conditions continued to improve, although development is about a week behind the normal pace, as it has been all year. The major field activities for tobacco growers last week were topping, applying sucker control, and irrigating. Farmers also treated fields for diseases, such as black shank and blue mold. Hay harvest continued with producers making their second and third cuttings. There were 5 days suitable for field work. As of Friday, topsoil moisture levels were rated 2 percent very short, 17 percent short, 76 percent adequate, and 5 percent surplus, while subsoil moisture levels were rated 2 percent very short, 14 percent short, 80 percent adequate, and 4 percent surplus.

CROP PROGRESS: Through July 27, 2003					CONDITION: On July 25, 2003					
Crop	This Week	Last Week	2002	Five Year Avg.	Item	Very Poor	Poor	Fair	Good	Exc
Percent					Percent					
Corn - Silking	95	92	100	96	Corn	2	7	17	54	20
Corn - Dough	65	50	71	61	Cotton	1	6	28	58	7
Corn - Dent	28	12	29	17	Soybeans	1	4	23	55	17
Cotton - Squaring	96	92	100	100	Tobacco	1	6	32	51	10
Cotton - Setting Bolls	44	30	72	82	Pastures	0	2	17	64	17
Soybeans - Blooming	36	25	62	54						
Soybeans - Setting Pods	15	10	39	29						
Tobacco - Topped	35	22	34	38						
Alfalfa Hay - Second Cutting	93	87	90	94						

**CORN:** Most of the corn acreage had reached the silking stage by week’s end, while over a fourth of the acreage had entered the dent stage. Conditions remained in the mostly good-to-excellent category and crop development was at a near normal pace.

**COTTON:** Cotton continued to rate in the fair-to-good category, despite severe thunderstorms that past through West Tennessee early last week. Most of the crop was squaring and setting bolls, while development continued to lag behind the 5-year average. Last week farmers were busy spraying for weeds.

**SOYBEANS:** Soybean blooming and setting pods were more then a week behind normal. Continued rainfall will be vital to the double-cropped soybean development. The crop was rated in mostly fair-to-good condition. Producers continued to spray for weeds.

**TOBACCO:** Topping was underway and progressed slightly behind the normal pace. There were reports of black shank and blue mold problems. Despite this trouble, however, tobacco was rated in mostly fair-to-good condition.

**PASTURES & HAY:** Range and pasture conditions improved slightly from the previous week, but remained in mostly good condition. Farmers took advantage of favorable weather towards week’s end to continue their second and third cuttings of alfalfa and other hay.

TEMPERATURES AND PRECIPITATION For week ending: 07/27/03 (with comparisons)										
LOCATION	TEMPERATURE				PRECIPITATION				GDD BASE 60F	
	Week Ending 07/27/03				Current Week	Rain	Current	From	Since April 1	
	HI	LO	AVG	DFN	07/27/03	Days	Since January 1	Normal	Total	DFN
Ames_Plantation	94	59	77	-3	2.25	2	41.01	+9.24	1327	-50
Tri-City_RGNL_A	88	56	72	-3	0.42	2	36.40	+11.54	871	-20
Brownsville_TN	93	63	78	-4	0.42	2	34.31	+2.52	1427	+239
Chattanooga/Lov	92	60	76	-3	1.07	2	44.02	+11.81	1298	+42
Clarksville_Sew	93	61	76	-3	0.26	2	29.30	-0.63	1235	+38
Cookeville	90	56	72	-5	1.98	3	43.53	+9.57	945	+227
Covington	93	60	76	-5	0.53	2	32.63	+1.22	1276	-124
Crossville_AP	86	56	71	-4	1.92	4	43.41	+9.85	859	+32
Dickson_AG	87	54	71	-8	0.13	1	31.74	-0.56	952	-307
Dover_1W	92	59	76	-2	0.08	1	31.33	+0.08	1115	+62
Dyersburg	91	61	77	-4	0.33	2	29.39	-0.69	1378	-120
Erwin_1W	87	56	72	-2	1.12	2	35.41	+5.61	790	-289
Huntingdon_Wate	92	59	76	-4	0.54	2	31.75	+0.19	1199	+70
Jackson_AG	92	59	77	-3	0.48	2	30.90	-0.80	1302	-20
Kingston_AG	88	58	73	-3	1.12	2	39.83	+4.69	986	+24
Knoxville_AP	89	59	75	-3	0.51	3	37.49	+8.21	1154	+76
Lewisburg	91	56	74	-5	0.55	3	40.74	+7.38	1049	-47
Lexington_TN	91	58	75	-5	0.28	1	32.91	+2.18	1187	+415
Linden	92	52	73	-5	0.78	2	37.88	+4.31	1011	-98
Martin	92	60	76	-3	0.44	1	33.94	+2.19	1223	-44
Mc_Minnville_Tn	89	58	73	-4	1.80	4	40.77	+8.38	1142	-275
Memphis_AG	95	61	78	-6	1.73	2	34.46	+3.65	1405	-264
Milan	94	57	76	-3	0.43	2	33.46	+1.03	1248	+8
Murfreesboro_5N	91	59	75	-4	1.04	2	38.09	+6.37	1109	-295
Nashville_Metro	92	60	76	-4	0.29	2	37.92	+9.38	1236	-79
Newcomb	89	57	72	-3	1.46	3	40.31	+7.51	873	+106
Oneida	88	57	72	-3	0.70	3	36.83	+4.03	854	-318
Pikeville	88	57	73	-4	1.83	2	45.68	+13.43	1091	+21
Portland_TN	89	58	73	-4	0.96	3	35.71	+4.60	1037	-29
Pulaski_Water_P	91	59	76	-5	1.78	2	41.29	+8.17	1109	-221
Savannah_6SW	93	57	75	-5	4.66	2	43.77	+9.23	1106	-42
Sparta_TN	90	57	74	-3	2.82	3	44.47	+11.37	1129	+211
Springfield	92	56	75	-3	0.27	2	28.68	-1.27	1057	-26
Springhill	94	58	75	-3	1.31	2	39.10	+5.79	1190	+107
Union_City	91	58	74	-5	0.45	2	32.35	+1.38	1137	-106
Waynesboro_TN	93	56	75	-3	1.71	2	38.25	+3.20	1056	-225

DFN = Departure From Normal (Using 1961-90 Normals Period).    GDD = Growing Degree Days.  
 Precipitation Days = Days with precip of 0.01 inch or more.    Precipitation (rain or melted snow/ice) in inches.  
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